FIG.1

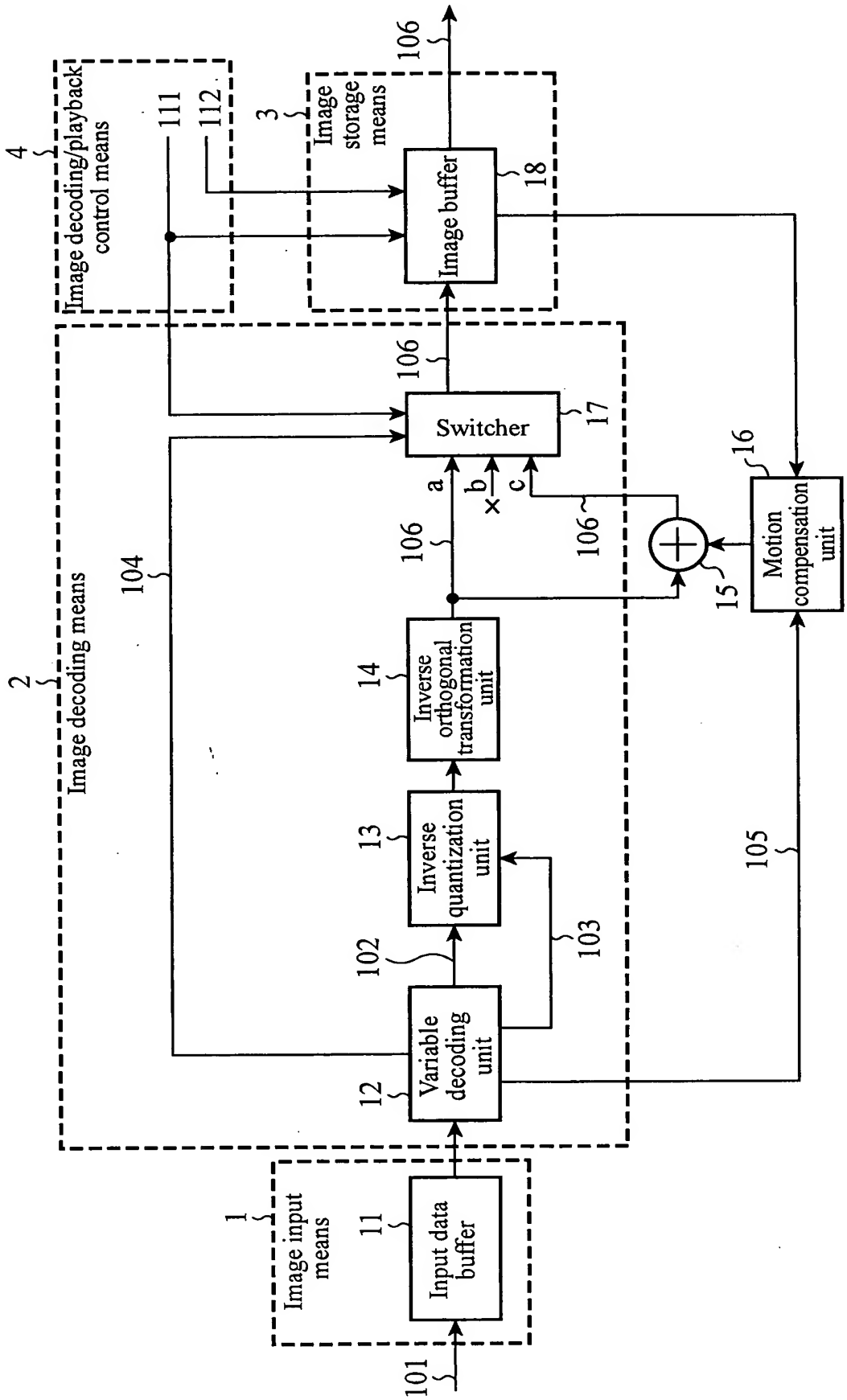

1
Image input means
11
Input data buffer
101
2
Image decoding means
12
Variable decoding unit
102
13
Inverse quantization unit
103
14
Inverse orthogonal transformation unit
104
105
15
16
Motion compensation unit
106
a
b
c
17
Switcher
18
Image buffer
3
Image storage means
4
Image decoding/playback control means
111
112

FIG.2

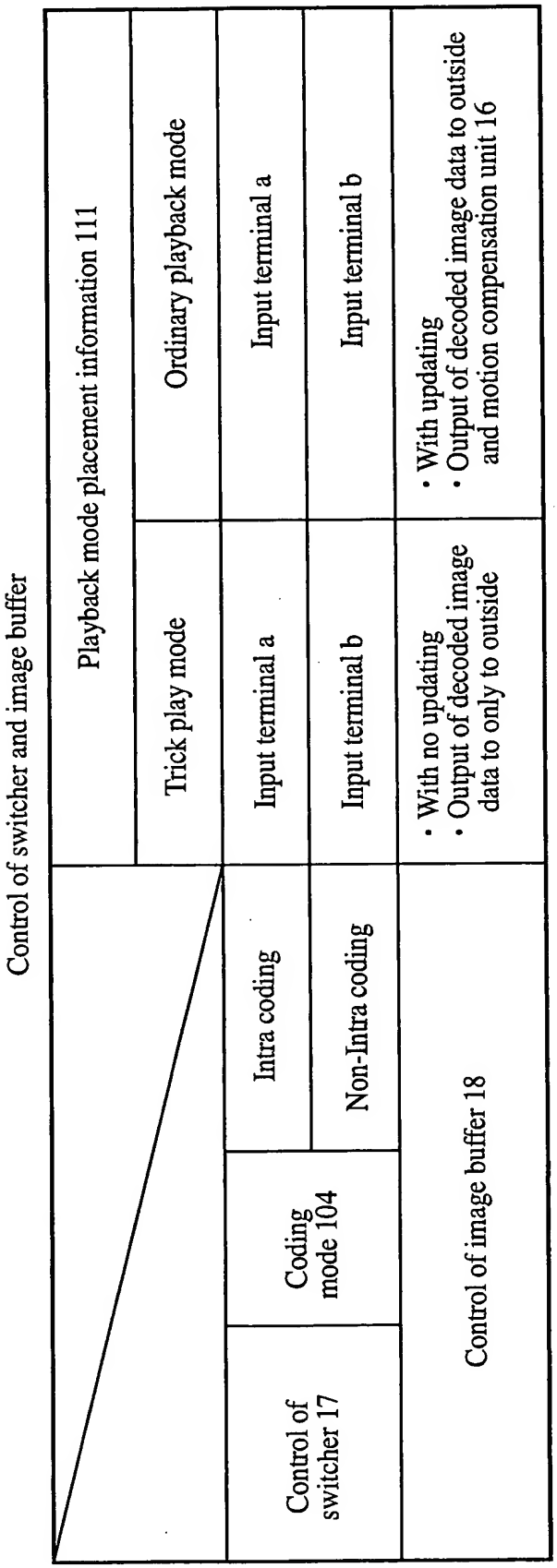

Control of switcher and image buffer
Playback mode placement information 111
Trick play mode
Ordinary playback mode
Input terminal a
Input terminal b
Input terminal a
Input terminal b
• With no updating
• Output of decoded image data to only to outside
• With updating
• Output of decoded image data to outside and motion compensation unit 16
Control of switcher 17
Coding mode 104
Intra coding
Non-Intra coding
Control of image buffer 18

FIG.3

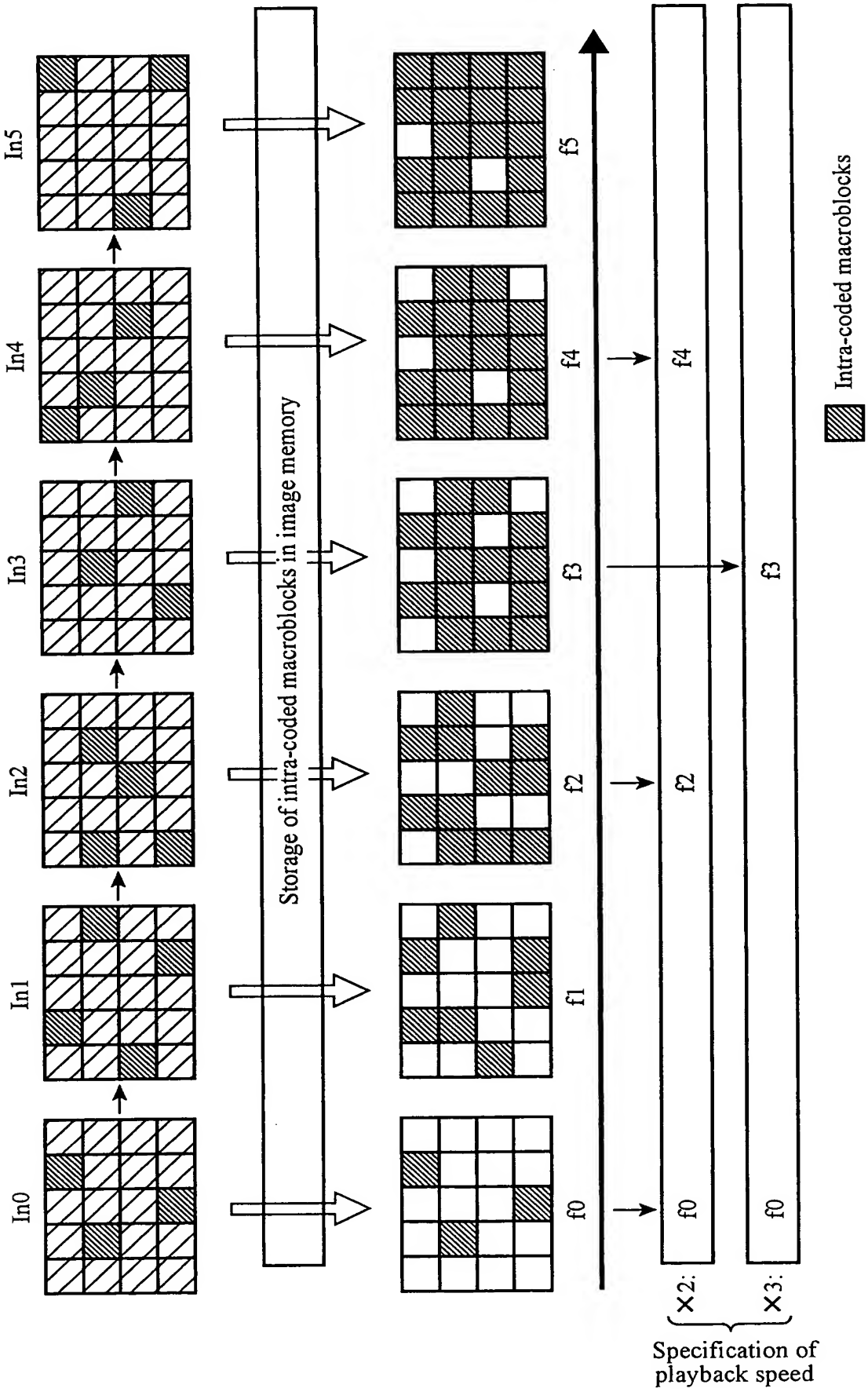

In0
In1
In2
In3
In4
In5
Storage of intra-coded macroblocks in image memory
f0
f1
f2
f3
f4
f5
f0
f2
f4
f0
f3
Intra-coded macroblocks
×2:
×3:
Specification of playback speed

FIG.4

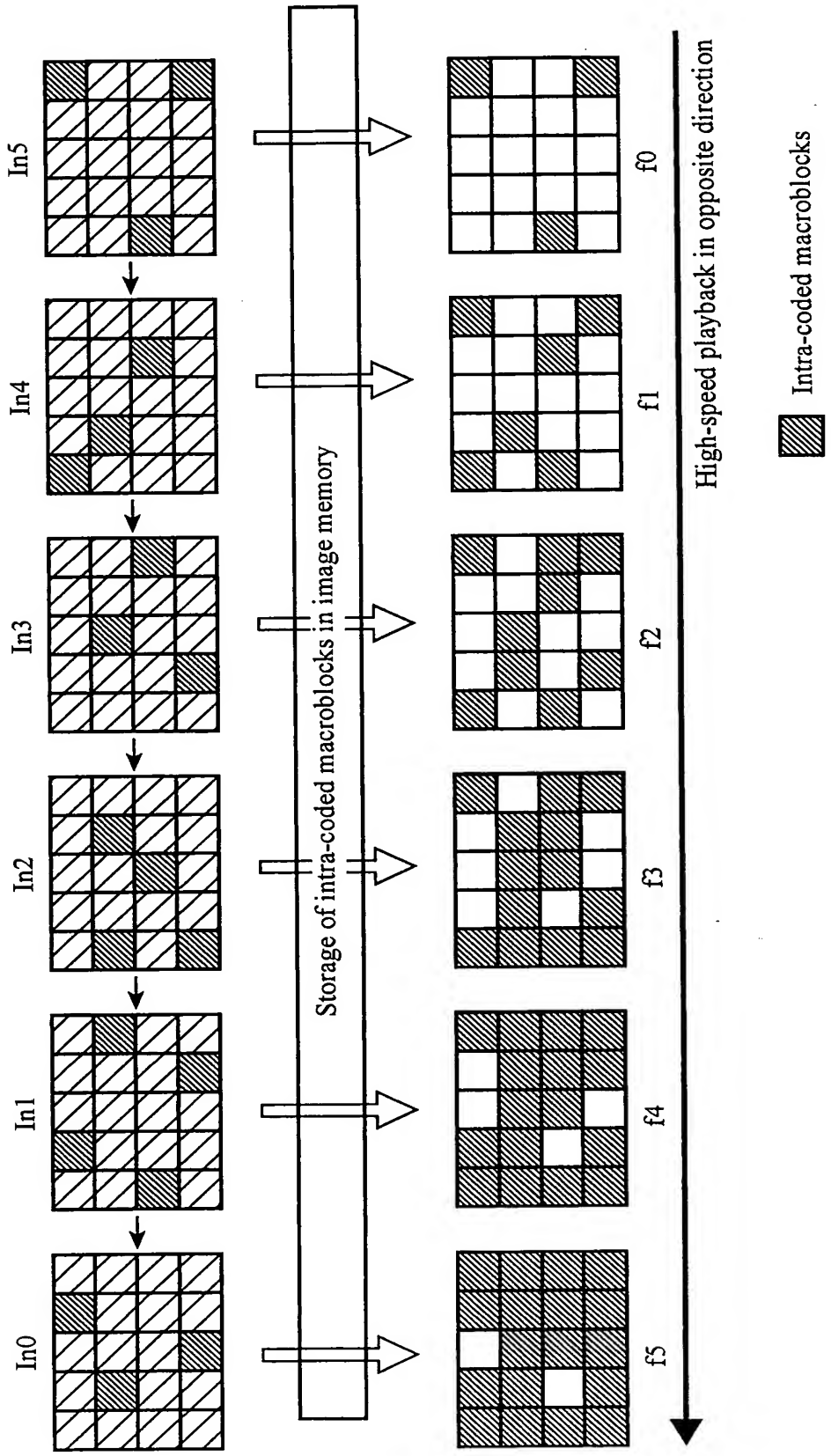

In5
In4
In3
In2
In1
In0
Storage of intra-coded macroblocks in image memory
f0
f1
f2
f3
f4
f5
High-speed playback in opposite direction
Intra-coded macroblocks

FIG.5

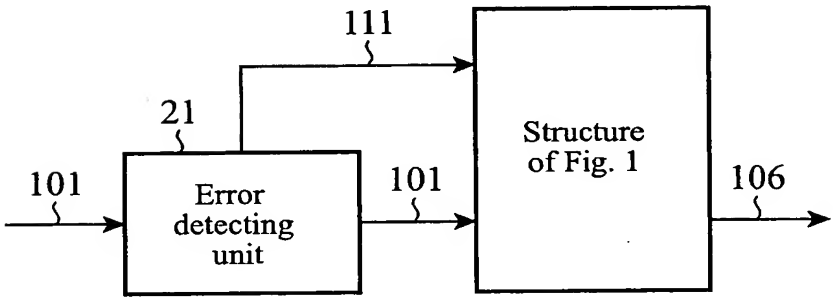
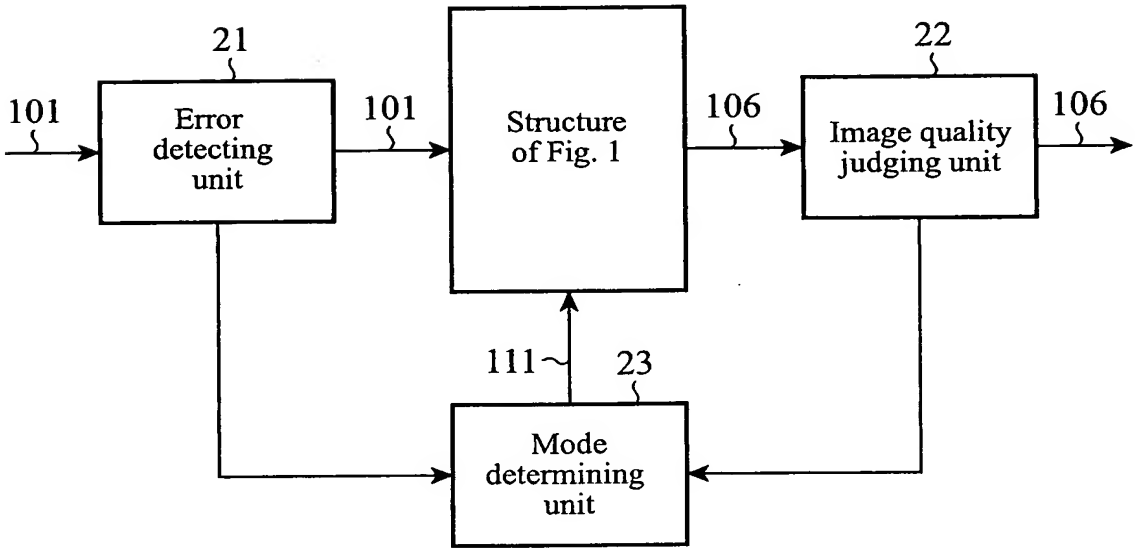

111
21
101
Error detecting unit
101
Structure of Fig. 1
106

FIG.6


21
101
Error detecting unit
101
Structure of Fig. 1
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22
Image quality judging unit
106
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23
Mode determining unit